WHAT IS CLAIMED

[1] An apparatus for processing electronic tag information, the apparatus receiving product identification codes read from electronic tags, the apparatus comprising:

a processor; and

a storage device, coupled to the processor, having a computer program stored therein;

wherein product information is provided, or stored in the storage device,

characterized in that the product information includes: an identification code of a set product; an identification code of individual products contained in the set product; and a number of the individual products, and

the computer program causes the processor to substantially perform the steps of:

(a) for each product identification code read from an electronic tag and provided, incrementing a corresponding product cumulative count Ni;

(b) referring to the product information, when judging that the product identification code read from the electronic tag and provided is a set product, subtracting a number nj of individual products of the set product from a product cumulative count Nj of the individual products; and

(c) in response to the end of information-reading from

at least one electronic tag, outputting information
associated with a product identification code whose product
cumulative count Ni is not zero and the product cumulative
count Ni.

[2] The apparatus for processing electronic tag information
according to claim 1,

wherein the product information further includes: the
identification code, name, and price of an individual
product; and the name and price of the set product,

wherein the computer program further causes the
processor to perform the step of:

calculating the product of the price and the product
cumulative count Ni of a product having an identification
code whose product cumulative count Ni is not zero; and

in response to the end of the information reading,
outputting the product name and product of each
corresponding product identification code, and the
cumulative sum of the products.

[3] The apparatus for processing electronic tag information
according to any one of claims 1-2,

wherein a mode signal is further provided,

wherein the computer program causes the processor to,
in response to the end of the information reading when the

mode signal indicating a set product verification mode, output excess or deficiency information of individual products contained in a set product when the product cumulative count Nj of the individual products is not zero.

[4] The apparatus for processing electronic tag information according to any one of claims 1-3,

wherein a mode signal is further provided,

wherein the computer program causes the processor to, in response to the end of the information reading when the mode signal indicating a sale statement mode, output deficiency information of individual products contained in a set product when the product cumulative count Nj of the individual products is a negative value.

[5] The apparatus for processing electronic tag information according to any one of claims 1-4,

wherein the product information further includes an identification code of each product and set/individual information indicating whether the product is a set product or not,

wherein the computer program causes the processor to, in step (b), judge whether or not a set product based on the table.

[6] A POS terminal comprising an apparatus for processing electronic tag information according to any one of claims 1-5, wherein the product information is provided from other information processing apparatus which manages the product information in a unified way.

[7] A computer program for processing electronic tag information, wherein the computer program causes a processor coupled to a storage device to substantially perform the steps of, under the condition that product information is provided, or stored in the storage device, wherein the product information includes: an identification code of a set product; an identification code of individual products contained in the set product; and a number of the individual products:

(a) for each product identification code read from an electronic tag and provided, incrementing a corresponding product cumulative count N_i;

(b) referring to the product information, when judging that the product identification code read from the electronic tag and provided is a set product, subtracting a number n_j of individual products of the set product from a product cumulative count N_j of the individual products; and

(c) in response to the end of information-reading from at least one electronic tag, outputting information

associated with a product identification code whose product cumulative count Ni is not zero and the product cumulative count Ni.